

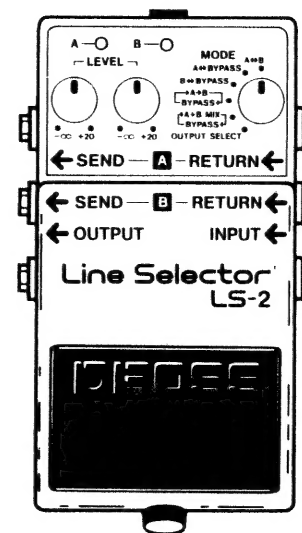
# BOSS LS-2

## Line Selector

### Instructions

Thank you for purchasing the BOSS LS-2 Line Selector. To make the best use of the unit, please read the instructions carefully.

- The LS-2 provides two separate line-loop outputs.
- The LS-2 features 6 different modes (including effect loop selector and line selector) that enhance its versatility.
- The LS-2 provides individual control over the output level of each line.
- Each line has an indicator, allowing you to easily determine the current state of the unit.
- An AC Adaptor Output Jack is provided to supply power to an external effect unit when an AC adaptor is being used to supply power to the LS-2.



## SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| Controls .....                   | Pedal Switch, Mode Selector Switch, Level Control Knobs A/B  |
| Indicators .....                 | Line Indicators A/B (serves also as battery check indicator)   |
| Jacks .....                      | Input, Output, AC Adaptor In/Out, Send A/B, Return A/B   |
| Input Impedance .....            | 1 MΩ   |
| Output Impedance .....           | 1 kΩ   |
| Recommended Load Impedance ..... | 10 kΩ or greater   |
| Residual Noise .....             | -85 dBu or less (IHF-A, Typ.)  |
| Power Supply .....               | DC 9 V; Dry battery (6F22/9V), AC Adaptor (PSA-series: Option)   |
| Current Draw .....               | 25 mA (DC 9V)  |
| Dimensions .....                 | 73 (W) x 129 (D) x 59 (H) mm   |
|                                  | 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches   |
| Weight .....                     | 410 g / 14 oz (including battery)  |
| Accessories .....                | Instructions, Dry Battery; 6F22/9V (Carbon), Rubber Feet x2 (For BCB-6), Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") |
| Options .....                    | AC Adaptor PSA-Series, DC cord PCS-20A   |

\* 0 dBu = 0.775 Vrms

\* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

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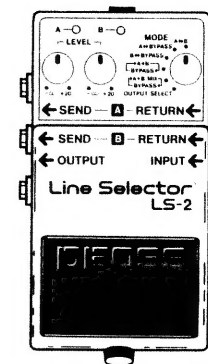
**BOSS**  
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# BOSS LS-2 Line Selector

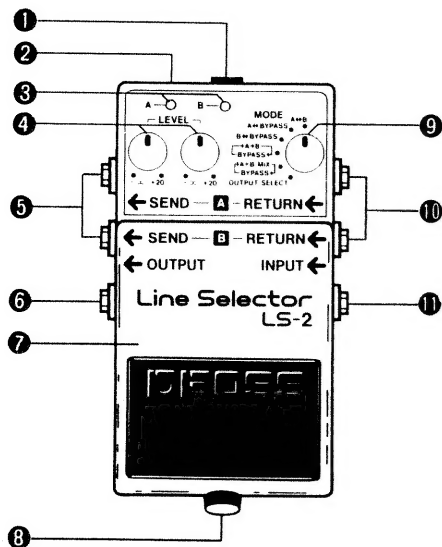
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## PANEL DESCRIPTION



### ① AC Adaptor In Jack

Connect an AC adaptor ( BOSS PSA-120, 220 or 240 :option) to this jack.

\* Use of an AC adaptor eliminates the need for battery.

\* Be sure to use the specified AC adaptor ( PSA-120, 220 or 240 ). Using any other adaptor may damage the unit.

### ② AC Adaptor Out Jack

When an AC adaptor is being used to power the LS-2, power can also be supplied to another compact effect unit by connecting a paralleled DC cord ( PCS-20A : option ) to this jack.

\* When you are using battery power, the AC Adaptor Out Jack does not function.

\* When using the PSA-120, 220 or 240, be sure that the total current draw of the LS-2 and any external effect unit does not exceed 200mA.

### ③ Line Indicators A/B

The appropriate indicator lights when the corresponding line ( A/B ) is selected.

\* These indicators also serve as a battery check. When they become dim ( or do not light at all ), replace the battery immediately.

### ④ Level Control Knobs A/B

Each knob controls the output level of the corresponding line ( A/B ). The output level is variable from  $-\infty$  ( muted ) to +20dB.

\* When a knob is set to the center position, the input and output levels are equal.

### ⑤ Send Jacks ( A/B )

These jacks send the signals received by the Input Jack when the corresponding line ( A/B ) is in use.

### ⑥ Output Jack

Connect an amplifier or other effect unit to this jack.

### ⑦ Pedal Switch

This switch selects the line to be used.

### ⑧ Thumb Screw

Loosen this screw to open the pedal for battery replacement. For a detailed explanation, see "Battery Replacement".

### ⑨ Mode Selector Switch

This switch selects the operating mode. For a detailed explanation, see "MODE DESCRIPTION".

### ⑩ Return Jacks A/B

These jacks feed the signal from the corresponding line ( A/B ) into the unit.

### ⑪ Input Jack

Connect an electric/electronic musical instrument (such as an electric guitar) to this jack.

\* Connecting a plug to the Input Jack automatically turns the unit on. Disconnect the plug from the Input Jack when the unit is not in use.

## ■ OPERATION

①Select the desired mode.

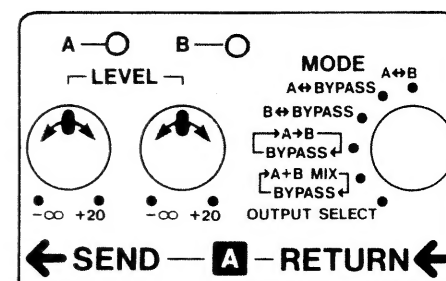
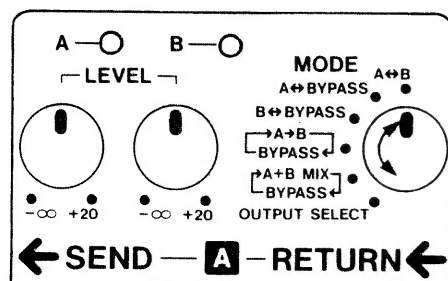
\*Be sure to select an appropriate mode referring to "Mode Description" and "LS-2 Sample Settings".

②Connect the relevant units depending on the mode you have selected.

\*Before connecting or disconnecting cords, be sure to turn down the volume on the amplifier.

③Select the desired line by pressing the pedal. Then adjust the output level of each line with the Level Control Knobs.

\*The Level Control Knobs may not work depending on how the units are set up.



## ■ BATTERY REPLACEMENT

①Loosen the thumb screw on the pedal to open it.

②Take out the battery from the battery housing and disconnect the battery snap.

③Connect a new battery to the battery snap, then replace the battery in to the battery housing.

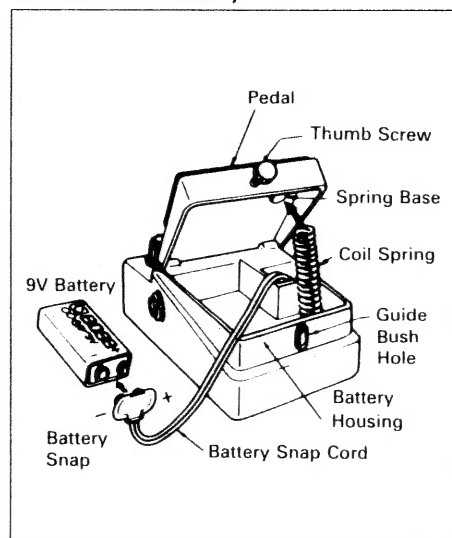
\* Make sure that the polarity of the battery is correct.

④Push the coil spring into the spring base on the rear of the pedal, then close the pedal.

\* Make sure that the snap cord is not caught in the pedal or coil spring.

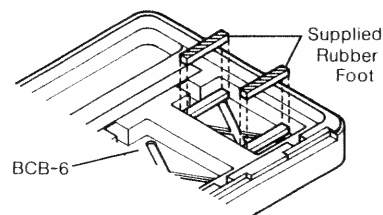
⑤Insert the thumb screw into the guide bush hole and firmly tighten the screw.

Use one 9-volt battery



## ■ IMPORTANT NOTES

● To place the LS-2 in the BOSS Carrying Box BCB-6, you need to attach the supplied rubber feet to the BCB-6 shown below.

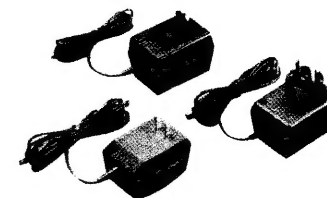


● Remove the battery whenever the unit is not going to be used for an extended period of time.

● When operating solely on a battery, the unit's indicator becomes dim when the battery is depleted. Replace the battery immediately.

● If there is a battery in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power black-out) or the power cord become disconnected.

● Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact qualified service personnel as soon as possible.



● OUT: 9VDC 200mA

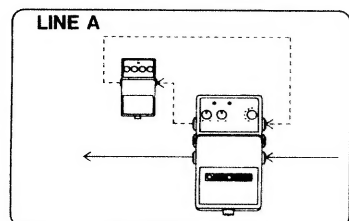
## MODE DESCRIPTION

The following describes the LS-2's six operation modes:

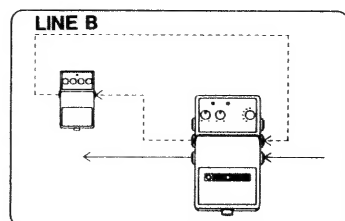
\*When you change modes, be sure to determine the currently selected line using the Line Indicators.

### A↔B

Pressing the pedal alternately selects Line A or Line B. This is an ideal setting for using only the line loop function (when bypass output is not required).



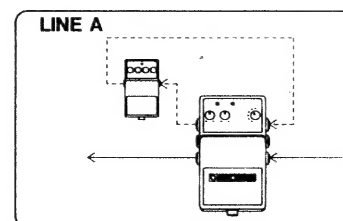
INPUT → SEND A → RETURN A → OUTPUT



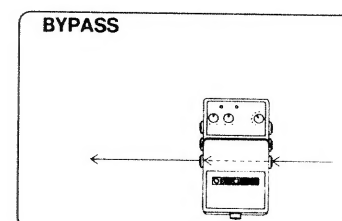
INPUT → SEND B → RETURN B → OUTPUT

### A↔BYPASS

Pressing the pedal alternately selects Line A or Bypass.



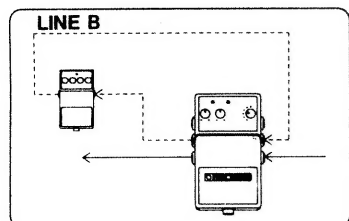
INPUT → SEND A → RETURN A → OUTPUT



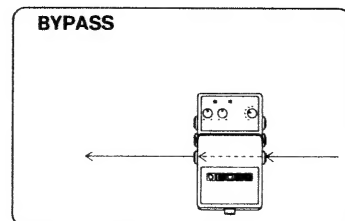
INPUT → OUTPUT

### B↔BYPASS

Pressing the pedal alternately selects Line B or Bypass.



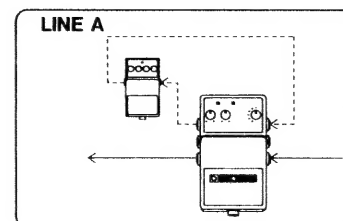
INPUT → SEND B → RETURN B → OUTPUT



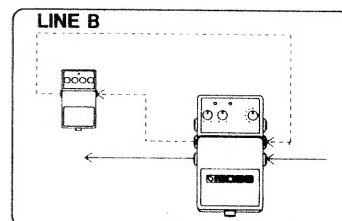
INPUT → OUTPUT

### →A→B ←BYPASS←

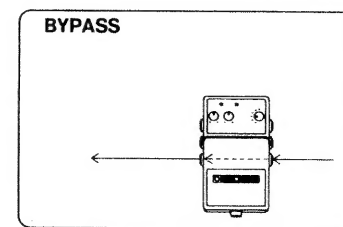
Pressing the pedal repeatedly selects (in sequence) Line A, Line B or Bypass.



INPUT → SEND A → RETURN A → OUTPUT



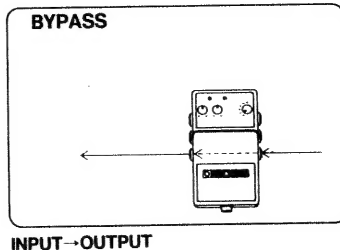
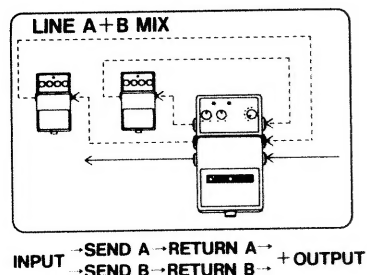
INPUT → SEND B → RETURN B → OUTPUT



INPUT → OUTPUT

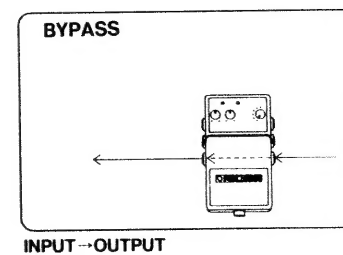
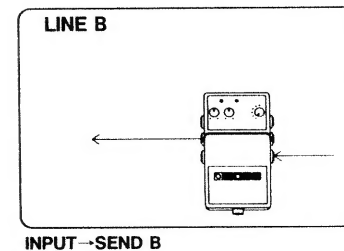
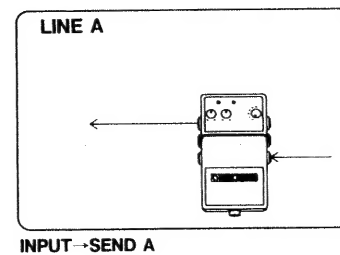
## A+B MIX BYPASS

Pressing the pedal alternately selects Line A + Line B (mixed) or Bypass.



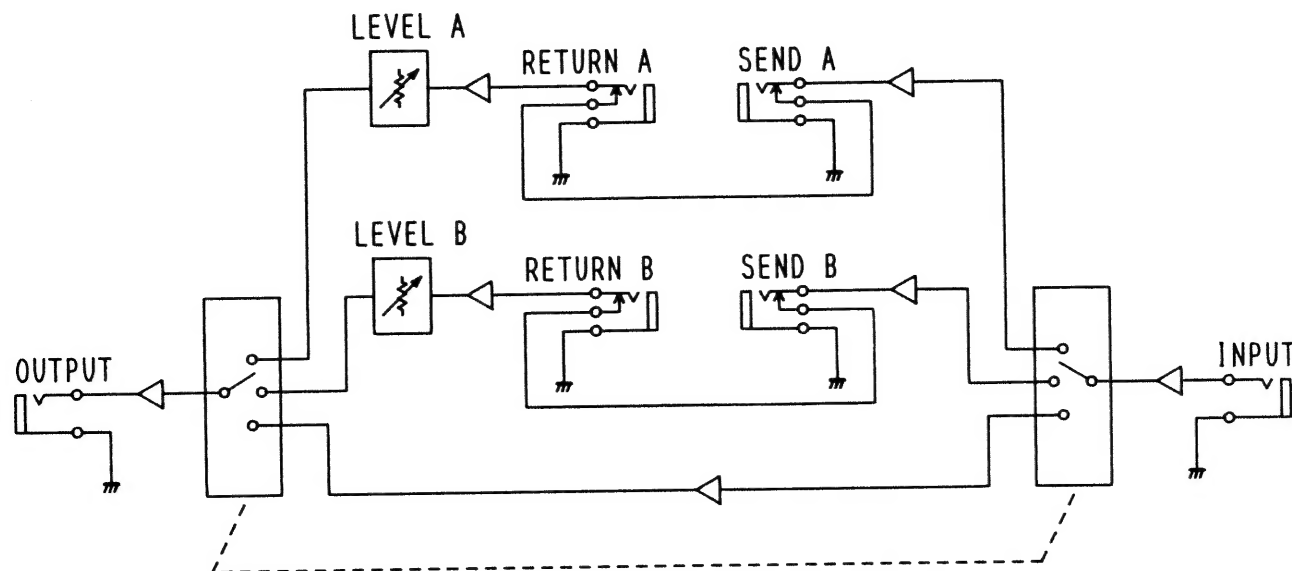
## OUTPUT SELECT

Pressing the pedal repeatedly selects (in sequence) Send A, Send B or Output.



For EU Countries  
This product complies with the requirements of  
European Directive 89/336/EEC.

## BLOCK DIAGRAM



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UPC

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